

IN THE CLAIMS

1-30. (Cancelled)

31. (Currently Amended) A method comprising:

a HomeRF connection point (CP) unit establishing a connection with a ~~second~~ HomeRF unit;

the HomeRF CP unit establishing a connection with a Bluetooth unit as a slave to the HomeRF CP unit as a master;

the HomeRF CP unit determining an ~~interoperability~~ a contention free period (IOP), during which the ~~period~~ the HomeRF CP unit and the ~~second~~ HomeRF do not transfer data;

the HomeRF CP unit communicating the ~~IOP~~ contention free period to the Bluetooth unit, the Bluetooth unit to wake from a suspended state at the time of the ~~IOP~~ contention free period;

transmitting data between the HomeRF CP unit and the ~~second~~ HomeRF unit;
at a ~~time of the IOP~~ during the contention free period, the HomeRF CP unit ceasing transmission of data to the ~~second~~ HomeRF unit and transitioning from a first hopping frequency to a higher second frequency hopping and transmitting data between the HomeRF CP unit and the Bluetooth unit;

at an end of the ~~IOP~~ contention free period, the HomeRF CP unit transmitting a next ~~IOP~~ contention free period to the Bluetooth unit, ceasing transmission of data to the Bluetooth unit and transitioning from the second hopping frequency to the first

frequency hopping and transmitting data between the HomeRF CP unit and the ~~second~~ HomeRF unit until the next IOP contention free period.

32. (Currently Amended) The method of claim 31, wherein the transmitting data between the HomeRF CP unit and the Bluetooth unit includes transmitting data for a number of a Bluetooth slots corresponding with the IOP contention free period.

33. (Currently Amended) The method of claim 31, wherein the transmitting data between the HomeRF CP unit and the Bluetooth unit includes transmitting data in an Asynchronous Connection-Less packet format.

34. (Currently Amended) The method of claim 31, further comprising the HomeRF CP unit and the Bluetooth unit operating independently during a time outside of an IOP contention free period.

35. (Currently Amended) A computer readable medium having stored thereon a set of instructions that, when executed, perform a method comprising of:

a HomeRF connection point (CP) unit establishing a connection with a ~~second~~ HomeRF unit;

the HomeRF CP unit establishing a connection with a Bluetooth unit as a slave to the HomeRF CP unit as a master;

the HomeRF CP unit determining an ~~interoperability period (IOP)~~, a contention free period during the period the HomeRF CP unit and the ~~second~~ HomeRF unit do not transfer data;

the HomeRF CP unit communicating the ~~IOP~~ contention free period to the Bluetooth unit, the Bluetooth unit to wake from a suspended state at the time of the ~~IOP~~ contention free period;

transmitting data between the HomeRF CP unit and the ~~second~~ HomeRF unit;
~~at a time of the IOP~~ during the contention free period, the HomeRF CP unit ceasing transmission of data to the ~~second~~ HomeRF unit and transitioning from a first hopping frequency to a higher second frequency hopping and transmitting data between the HomeRF CP unit and the Bluetooth unit; and

at an end of the IOP, the HomeRF CP unit transmitting a next IOP to the Bluetooth unit, ceasing transmission of data to the Bluetooth unit and transitioning from the second hopping frequency to the first frequency hopping and transmitting data between the HomeRF CP unit and the ~~second~~ HomeRF unit until the next IOP.

36. (Currently Amended) The computer readable medium of claim 35, wherein the transmitting data between the HomeRF CP unit and the Bluetooth unit includes transmitting data for a number of a Bluetooth slots corresponding with the IOP.

37. (Currently Amended) The computer readable medium of claim 35, wherein the transmitting data between the HomeRF CP unit and the Bluetooth unit includes transmitting data in an Asynchronous Connection-Less packet format.

38. (Currently Amended) The computer readable medium of claim 35, further comprising the HomeRF CP unit and the Bluetooth unit operating independently during a time outside of an IOP.

39. (Currently Amended) A HomeRF connection point (CP) unit comprising:

- ~~a first unit to~~processor; and
- a computer readable medium coupled to the processor to store a program which when executed by the processor causes the HomeRF connection point (CP) unit to perform a method comprising:
 - _____ establishing a connection with a ~~second~~ HomeRF unit, and establishing a connection with a Bluetooth unit as a slave to the HomeRF CP unit as a master;
 - ~~a second unit to determine~~determining an interoperability a contention free period (IOP), during the period the HomeRF CP unit and the ~~second~~ HomeRF unit do not transfer data;
 - ~~the first unit to communicate~~communicating the IOP contention free period to the Bluetooth unit, the Bluetooth unit to wake from a suspended state at the time of the IOP contention free period;
 - ~~the first unit to transmit~~transmitting data between the HomeRF CP unit and the ~~second~~ HomeRF unit;
 - ~~a third unit, at a time of the IOP contention free period, to cease~~ceasing transmission of data to the ~~second~~ HomeRF unit and transitioning from a first hopping frequency to a higher second frequency hopping and beginning to transmit data between the HomeRF CP unit and the Bluetooth unit; and
 - ~~the third unit, at an end of the IOP contention free period, to transmitting~~a next IOP contention free period to the Bluetooth unit, ~~cease~~ ceasing transmission of data to the Bluetooth unit and transitioning from the second hopping frequency to the first

frequency hopping and beginning to transmit data between the HomeRF CP unit and the ~~second~~ HomeRF unit until the next LOP contention free period.

40. (Currently Amended) The unit of claim 39, wherein the ~~first unit to transmitting~~ data between the HomeRF CP unit and the Bluetooth unit includes transmitting ~~is to transmit~~ data for a number of a Bluetooth slots corresponding with the LOP contention free period.

41. (Currently Amended) The unit of claim 39, ~~the first unit to transmit~~ wherein the transmitting data between the HomeRF CP unit and the Bluetooth unit ~~is to~~ includes transmitting data in an Asynchronous Connection-Less packet format.